

Abstract

A rail non-contact vehicle includes wheels, a vehicle main body supported by the wheels, and a steering control system. The steering control system 5 includes a control section configured to control a steering of the wheels in a non-mechanical manner, and a drive section configured to mechanically drive the steering of the wheels. The control section includes a first detector configured to detect 1-dimensional 10 coordinate data of a target route, a steering angle holding section configured to hold a target steering angle corresponding to the 1-dimensional coordinate data, a second detector configured to detect a current deviation between the target route and a current 15 position of the vehicle main body, and a control steering angle calculating section configured to generate a control steering angle corresponding to the current deviation and the target steering angle.